AMENDMENT UNDER 37 C.F.R. § 1.116

Application No.: 10/575,365

Attorney Docket No.: Q78082

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the

application:

LISTING OF CLAIMS:

1. (currently amended): A flip-chip-type gallium nitride compound semiconductor

light-emitting device comprising a substrate, an n-type semiconductor layer, a light-emitting

layer, and a p-type semiconductor layer,

wherein a negative electrode is provided on said n-type semiconductor layer, and a

positive electrode is provided on said p-type semiconductor layer;

the n-type semiconductor layer, the light-emitting layer, and the p-type semiconductor

layer being successively provided atop said substrate in this order and being composed of a

gallium nitride compound semiconductor,

wherein said positive electrode has a three-layer structure comprising an ohmic electrode

layer composed of rhodium which is in contact with said p-type semiconductor layer, an

adhesion layer composed of titanium which is provided on said ohmic electrode layer and has a

thickness of 1000 Å to 3,000 Å, and a bonding pad layer provided on said adhesion layer and

being composed of a metal selected from the group consisting of gold, aluminum, nickel, and

copper, or composed of an alloy containing at least one of these metals;

wherein the bonding pad layer is provided atop a portion less than the entirety of the

ohmic electrode layer, and that the adhesion layer has the same dimension as the bonding pad

layer.

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2. (canceled).

3. (canceled).

4. (previously presented): A flip-chip-type gallium nitride compound semiconductor light-emitting device according to claim 1, wherein said ohmic electrode layer has a thickness of 100 Å to 3,000 Å.

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- 5. (original): A flip-chip-type gallium nitride compound semiconductor light-emitting device according to claim 4, wherein said ohmic electrode layer has a thickness of 500 Å to 2,000 Å.
- 6. (previously presented): A flip-chip-type gallium nitride compound semiconductor light-emitting device according to claim 1, wherein said bonding pad layer has a thickness of at least 1,000 Å.
- 7. (original): A flip-chip-type gallium nitride compound semiconductor light-emitting device according to claim 6, wherein said bonding pad layer has a thickness of 3,000 Å to 5,000 Å.
- 8. (previously presented): A flip-chip-type gallium nitride compound semiconductor light-emitting device according to claim 1, wherein said bonding pad layer is composed of gold.

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9. (currently amended): A positive electrode for use in a gallium nitride compound

semiconductor light-emitting device, wherein said positive electrode has a three-layer structure

comprising an ohmic electrode layer composed of rhodium which is brought into contact with a

p-type semiconductor layer of said gallium nitride compound semiconductor light-emitting

device, an adhesion layer composed of titanium which is provided on said ohmic electrode layer

and has a thickness of 1000 Å to 3,000 Å, and a bonding pad layer provided on said adhesion

layer, said bonding pad layer being composed of a metal selected from the group consisting of

gold, aluminum, nickel, and copper, or composed of an alloy containing at least one of these

metals; wherein the bonding pad layer is provided atop a portion less than the entirety of the

ohmic electrode layer, and that the adhesion layer has the same dimension as the bonding pad

<u>layer</u>.

10. (canceled).

11. (canceled).

12. (previously presented): A light-emitting diode comprising a flip-chip-type

gallium nitride compound semiconductor light-emitting device according to claim 1.

13. (canceled).

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